

1 ATTCTCCCATTCTCCCTCCCTCTCCCTTCTCCCTCTCCCACTGGCTCCTCGTTCTCTCC 60  
61 ATCTGCCTGACTCCTTGGGACCCGGTCCCCAGCTCGAGGATGGCGTCTCTCTGCTTGAG 120  
M A S S L L E 7  
121 GAAGAAGCTCACTATGGCTCCAGTCCCCTGGCCATGCTGACTGCAGCCTGCAGCAAATTT 180  
8 E E A H Y G S S P L A M L T A A C S K F 27  
181 GGCGGCTCTAGCCCTCTGCGGGACTCAACAACCTGGGGAAAGGAGGCACAAAGAAGCCA 240  
28 G G S S P L R D S T T L G K G G T K K P 47  
241 TACGCTGACCTTTCAGCCCCAAAACCATGGGGGACGCCTACCCAGCTCCCTTCTCAAGC 300  
48 Y A D L S A P K T M G D A Y P A P F S S 67  
301 ACCAATGGACTCCTCTCTCTCTGAGGCAGTCCTCCGGCCCCAGCCTCTGGCTATGCAAAT 360  
68 T N G L L S P A G S P P A P A S G Y A N 87  
361 GACTACCCACCCTTCCCTCACTCATTTCTGGGCCCACCGGTGCCCAAGACCCTGGGCTC 420  
88 D Y P P F P H S F P G P T F A Q D P G L 107  
421 CTAGTGCCTAAGGGGCACAGCTCGTCTGACTGCCTGCCTAGTGTCTACACTTCCCTGGAT 480  
108 L V P K G K S S S D C L P S V Y T S L D 127  
481 ATGACTCATCCCTATGGCTCGTGGTACAAGGCAGGCATCCACGCAGGCATCTCACCAGGT 540  
128 M T H P Y G S W Y K A G I K A G I S P G 147  
541 CCAGGCAACACACCTACTCCTTGGTGGGACATGCACCCTGGGGGCAACTGGCTAGGTGGT 600  
148 P G N T P T P W W D M H P G G N W L G G 167  
601 GGTGAGGGCCAGGGTGATGGGCTGCAAGGGACACTGTCCACAGGCCCTGCCAGCCTCCA 660  
168 G Q G Q G D G L Q G T L S T G P A Q P P 187  
661 CTGAACCCCCAGCTGCCTACTTACCCATCTGACTTTGCTCCCCTTAACCCAGCTCCCTAC 720  
188 L N P Q L P T Y P S D F A P L N P A P Y 207  
721 CCAGCGCCCCACCTCTTGCAACCAGGGCCCCAGCATGTCTACCCCAAGATGTCTATAAG 780  
208 P A P H L L Q P G P Q H V L P Q D V Y K 227  
781 CCCAAGGCGGTTGGCAATAGTGGGCAACTGGAGGGGAGTGGTGCAGCCAAACCCCTCGG 840  
228 P K A V G N S G Q L E G S G A A K P P R 247  
841 GGTGCTGGCACAGGGGGCAGCGGTGGATATGCGGGCAGTGGGGCAGGGCGTTCTACCTGC 900  
248 G A G T G G S G G Y A G S G A G R S T C 267  
901 GACTGCCCCAACTGTCAGGAGCTAGAGCGGCTCGGGGCAGCAGCGGCTGGGCTGAGGAAG 960  
268 D C P N C Q E L E R L G A A A A G L R K 287  
961 AAGCCCATTACAGCTGCCACATCCCTGGGTGCGGCAAGGTGTACGGCAAGGCTTCGCAT 1020  
288 K P I H S C H I P G C G K V Y G K A S H 307  
1021 CTGAAAGCCCACTTGCCTGGCACACTGGCGAGAGGCCTTTTCGTCTGCAACTGGCTTTTC 1080  
308 L K A H L R W H T G E R P F V C N W L F 327  
1081 TGGCGCAAGAGGTTCACTCGCTCTGACGAGCTGGAGCGCCACGTGCGCACTCACACCCGG 1140  
328 C G K R F T R S D E L E R H V R T H T R 347  
1141 GAGAAGAAGTTCACTTGCCTGCTCTGTTCCAAGCGCTTTACCAGAAGCGACCACTTGAGC 1200  
348 E K K F T C L L C S K R F T R S D H L S 367  
1201 AAACATCAGCGCACCCACGGGGAGCCAGGCCCGGGACCGCCCCCAAGTGGCCCTAAGGAG 1260  
368 K H Q R T H G E P G P G P P P S G P K E 387

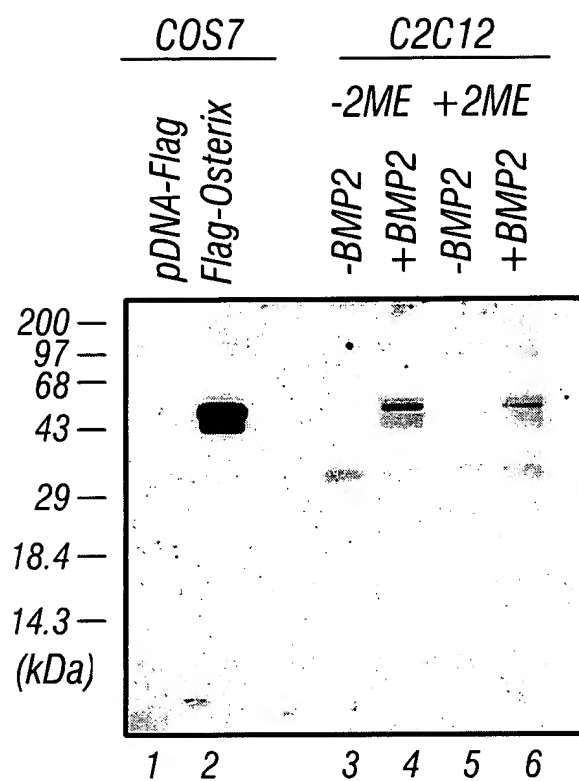
[illegible]

1261 CTGGGGGAGGGTCGCAGCGTCGGGGAAGAAGAAGCCAATCAGCCGCCCCGATCTTCCACT 1320  
 388 L G E G R S V G E E E A N Q P P R S S T 407  
 1321 TCGCCTGCACCCCCAGAAAAAGCCACGGAGGCAGCCAGAGCAGAGCAACCTGCTAGAG 1380  
 408 S P A P P E K A H G G S P E Q S N L L E 427  
 1381 ATCTGAGCCGGGTAGAGGAAGGTCTCCAGCTCCAGGGTCTCTTGCCAGGCTCTCTTGGC 1440  
 428 I \*  
 1441 GTGCTGGACCCATTGGTTGCCCCTCGCTCTCTCTATTGCATGCTATACTCTGGGGGCTC 1500  
 1501 TCTCTGTTCCCCTAGGCTATCTCCTTGATGTCTCTCAGTTCTTCTCTTTGTCAAGA 1560  
 1561 GTCTTAGCCAACTCCTCTCAGGCCTTTGCCAGTGCCTAGTTCTATGCTCCGACCTCCT 1620  
 1621 CAACTTTTTCTTCTCGCCCCTGTTCTTCACAGCTTCCATCTGGCCTCACATCATTTTCT 1680  
 1681 CATTAACCTCGTTGCCATCTAATCTTTCTGCTTCCCAATCCTATTTGCCGTTTTCCGAAG 1740  
 1741 CTTCCAGGCTGTCGCCTCGATTCCCCCCCACCTTTCTGCTTCTCCTGAGCTTTGTGTTTCT 1800  
 1801 TTTTTTAAACAAACACGATGATGATGATGATGATGATAATTTATTGCCCCCTGGTGT 1860  
 1861 TCTTCATTAGGAACCAGAGTTAAGGAGATTGGTGTAGTAACCTGGCCGGGAGCAGAGTG 1920  
 1921 CCAAGAAGGGGGAAGTCCAATGGGGATCTGATCCCAAAGATGGGGTGACCCCAAGGTCAG 1980  
 1981 GGAGGCTGCCCCCAGCCTTGAGTACTTAACCCCTATGCGCCAGGAGTAAAGAATAGTAAT 2040  
 2041 AGTAATAATAATAATAATTCTATTTATCTAAGTTATGATGACGGGTCAGGTACAGTGAGC 2100  
 2101 TGGAGAGGGGAAAGGGATTCTCCCCGCCCCCAAGGAAATTCTAGTCAAATGCATCTCTGTA 2160  
 2161 TAGACAAATGATAGTGGAGACCTTGCTCGTAGATTTCTATCCTCGAGGTCTCCGAGAGTT 2220  
 2221 TCTTTTTCAGTTGAGTTTTGGGTTGTTGCGCCTTTTTAGAGTTTCTGTGGGTGTCTCTC 2280  
 2281 TGTTAGGCAGTCACTAAGATCCCCAGCCCCAGCCAGAAAGCTGTGAAACTTCAAGTCCTA 2340  
 2341 TGGCGGGGAGGACTGGAATGTACCCAGTCTCTCGACCCGACTGCAGATCAGGTTCTCTC 2400  
 2401 CCCTGATCCTCTTCTCATACCCTGTGACCTCACCAGTTATCCCCTTGTCGTCATGGTTA 2460  
 2461 CAGAGAGCTTGCAGCTGCCATCTTAAACGTGCTCTTTGGGGGAGAGCCACCTAACAGGA 2520  
 2521 GGATTTTGGTTTGGAGGTGCCCCTCCTGAAAAAGTAGGTGGGCAAAGGCTTTCTCTGGGA 2580  
 2581 TCAAATTCAAATAAATCAAGTATTTATTGAATGCTTAATATGTGCAAGGCCTGGTGCCTA 2640  
 2641 GAAGCCACGAGAAAGAATTTATAACAGGACAGAAGTCCCTAAACTAAACATCCACAGGCC 2700  
 2701 CCCAATCTAGGAGGTTTCACTCCATTCCAGTGACTTTTAAAGCCGCTTTGTGCCTTTGAA 2760  
 2761 ATGCCTTTCCTGAGATTTTTGGATCTTCTGTTCTGTCCCCTGCTCCTTCTAGGCCTCAA 2820  
 2821 GATAAAGGGTAAAGCCATGGAGTCTGGGAAGAGCATAACGTGTTGACGGGATCGTCCCT 2880  
 2881 TTGTGGAATCTTTCTTTTTTTTTTAATTTAATAAATAAAAGTTTCGATTTCAAAAAAAAAA 2900  
 2901 AAAAAAAAAAAAAAAAAAAAAA 2960

FIG. 1A-2

[illegible]

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**FIG. 2**



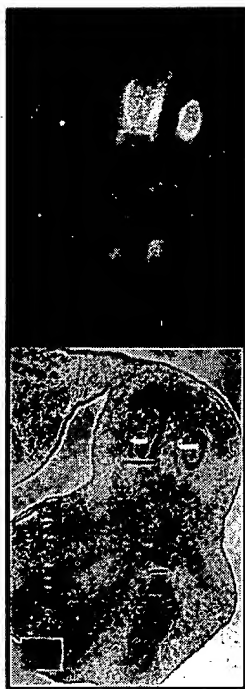


FIG. 3A

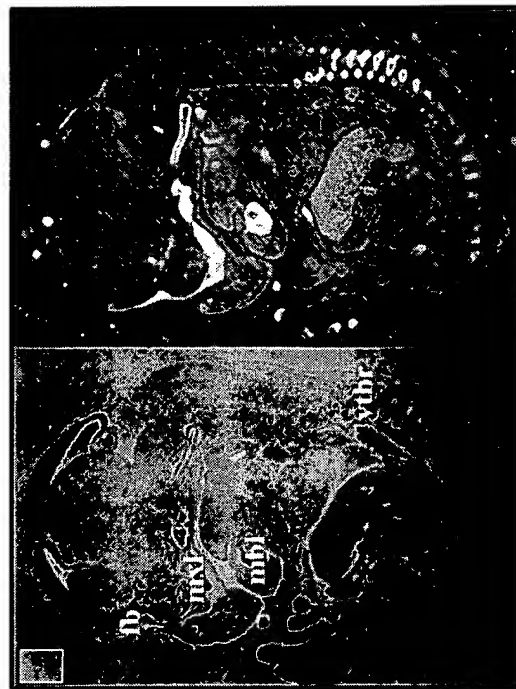


FIG. 3B

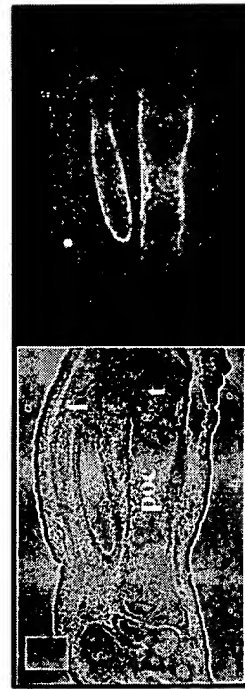


FIG. 3C

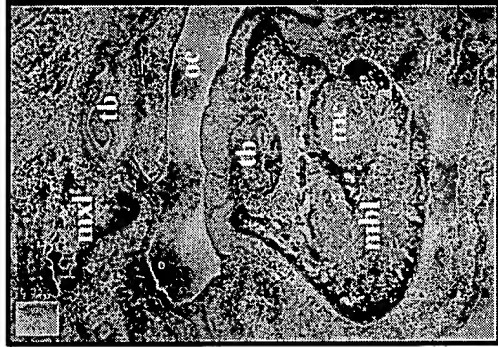


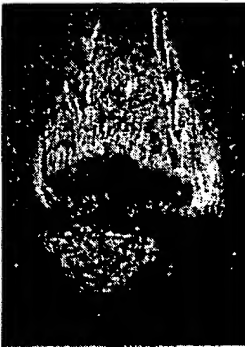
FIG. 3D



FIG. 3E



FIG. 3F



FOOTNOTES

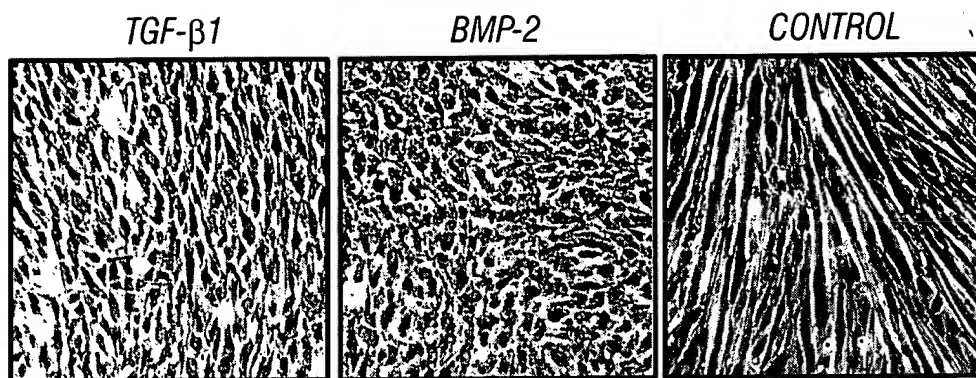


FIG. 4A

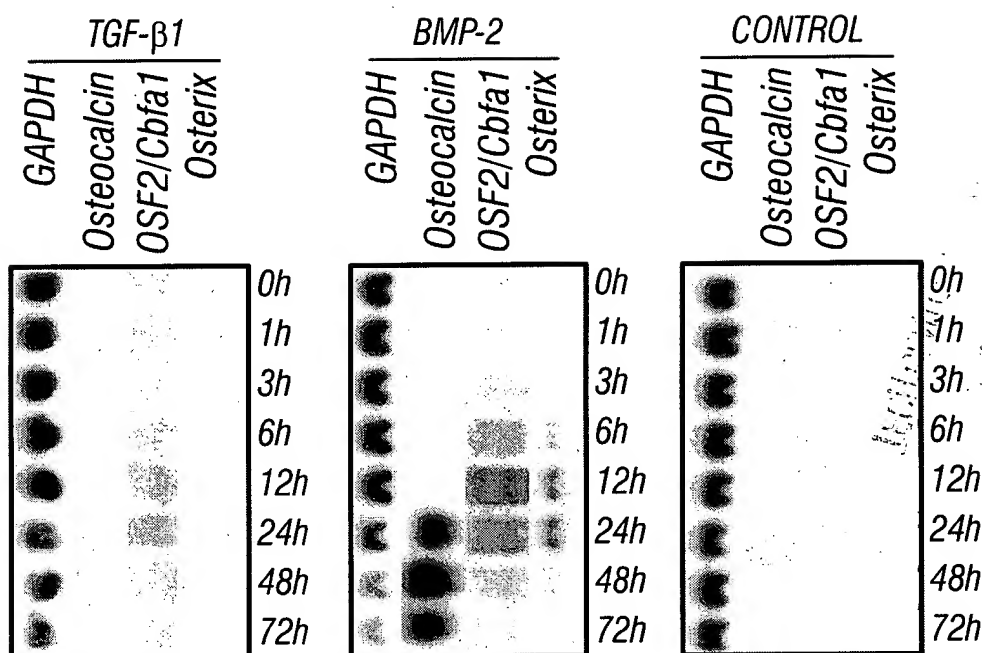


FIG. 4B

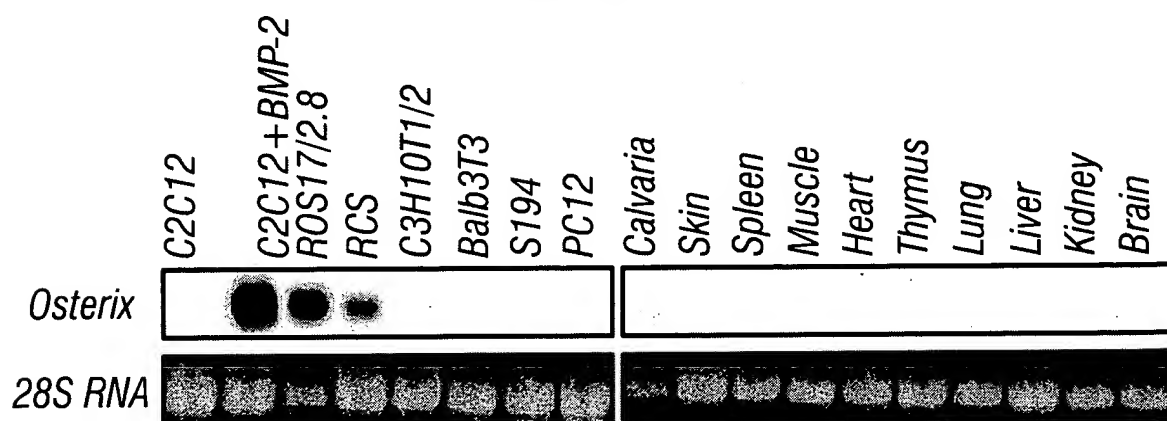


FIG. 4C

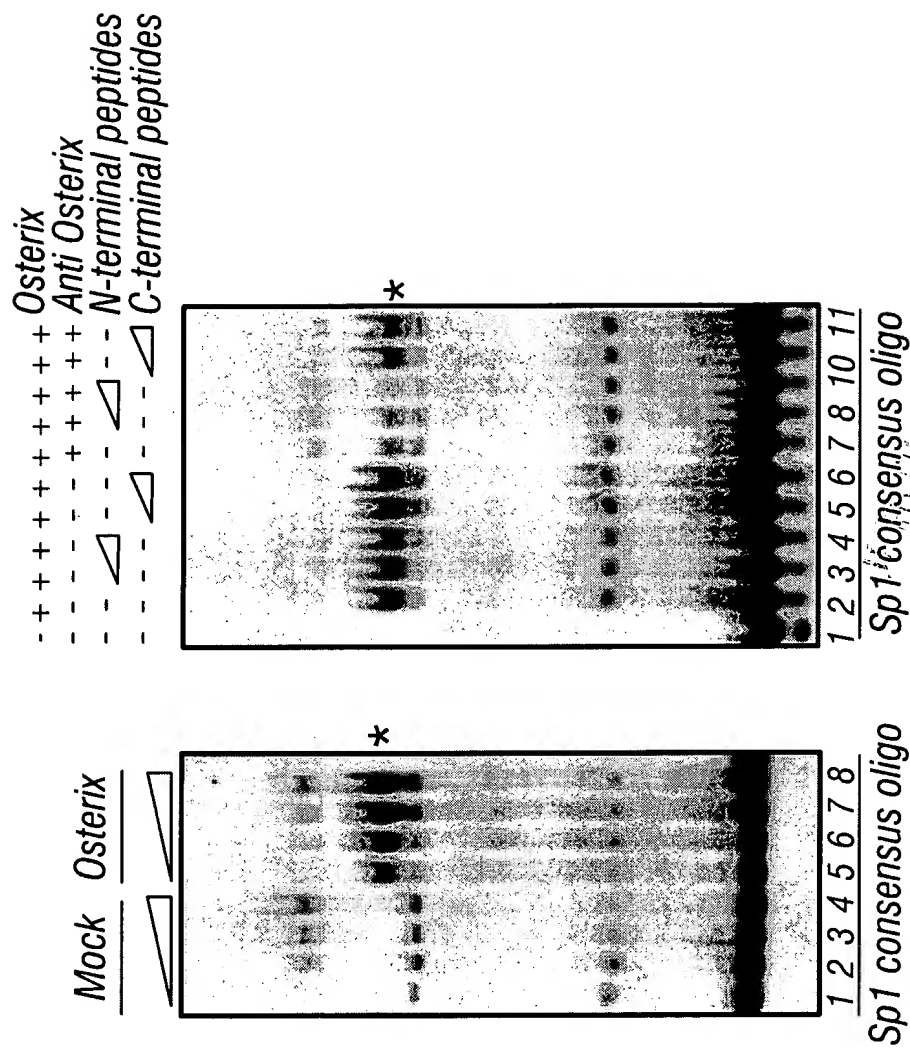


FIG. 5A

FIG. 5B



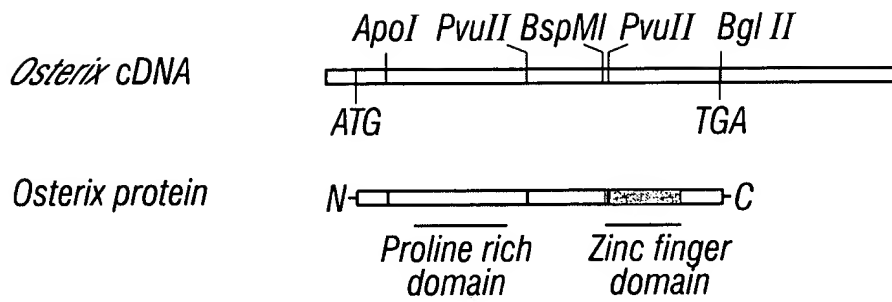




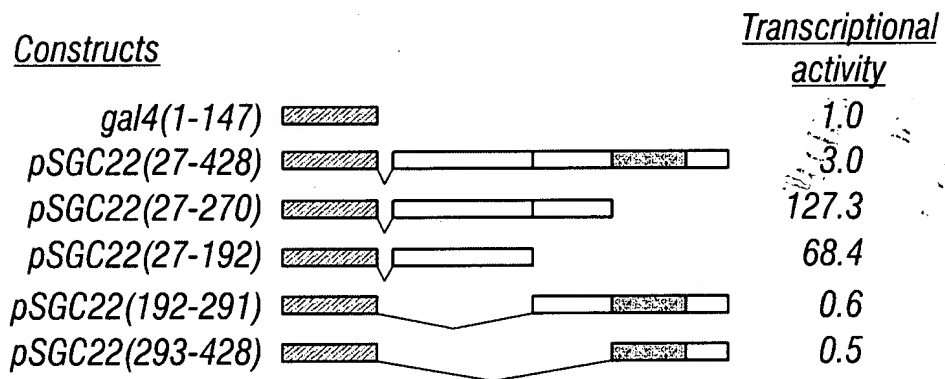
<i>A</i>	<i>B</i>
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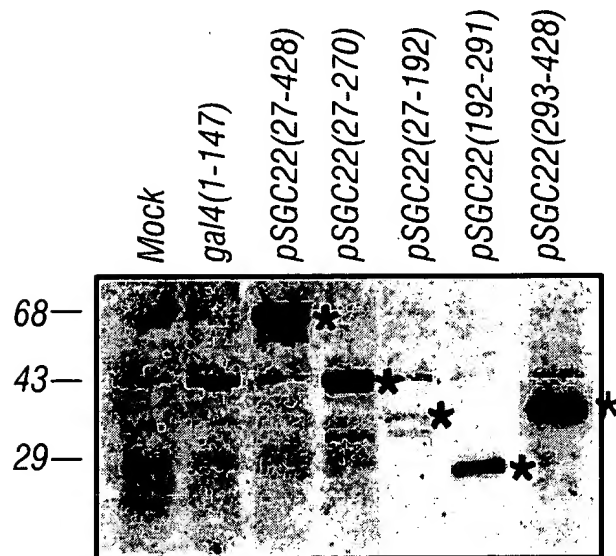
**FIG. 6B**



**FIG. 7A**



**FIG. 7B**



**FIG. 7C**

00741329-004004



BSS Chromosome 15

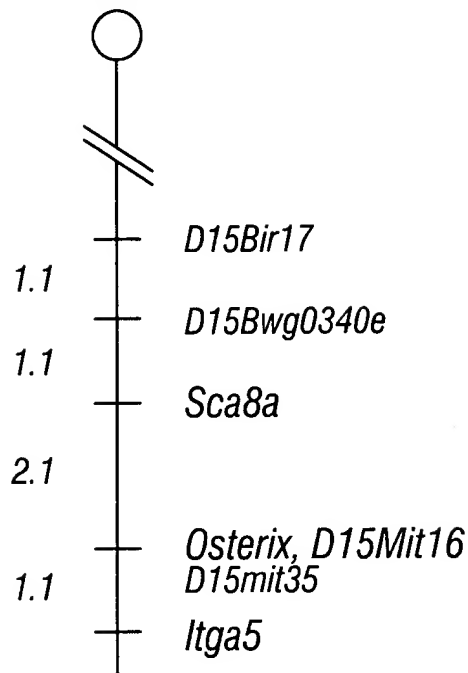


FIG. 8A

<i>D15Bir17</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>D15Bwg0340e</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Sca8a</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Osterix</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Itga5</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	42	47	1	0	1	0	2	0	1	0

FIG. 8B

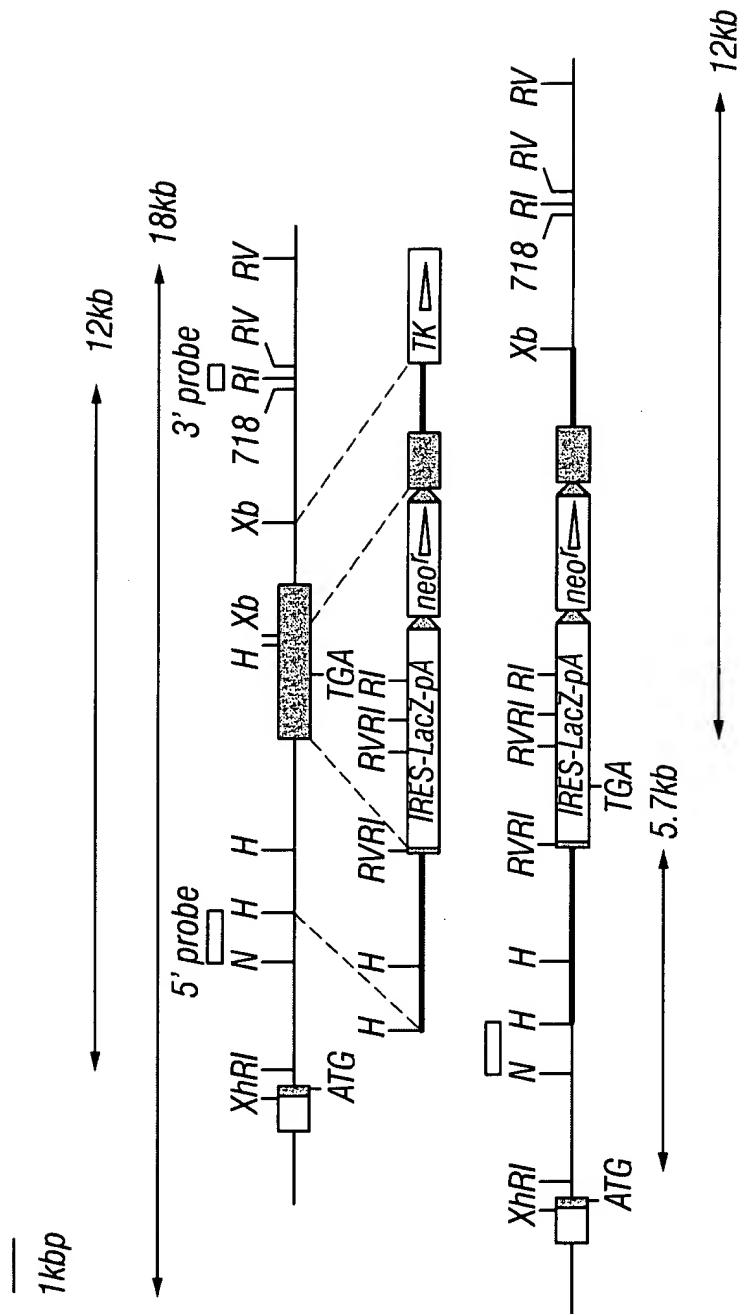


FIG. 8

00724320 004004

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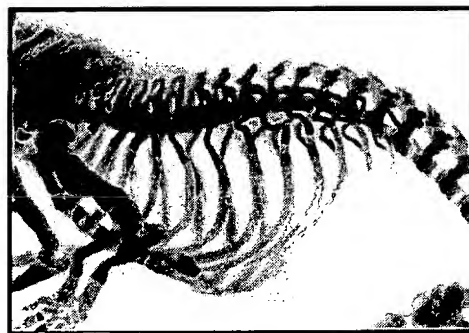
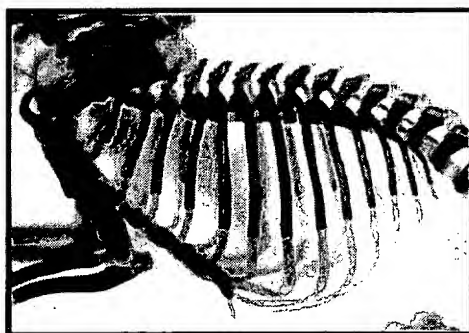
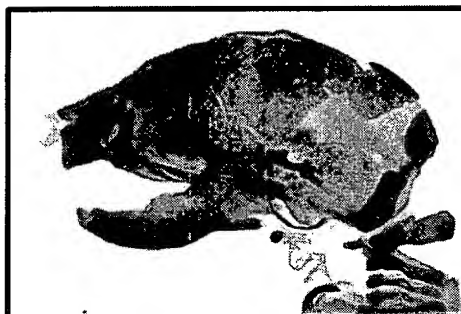
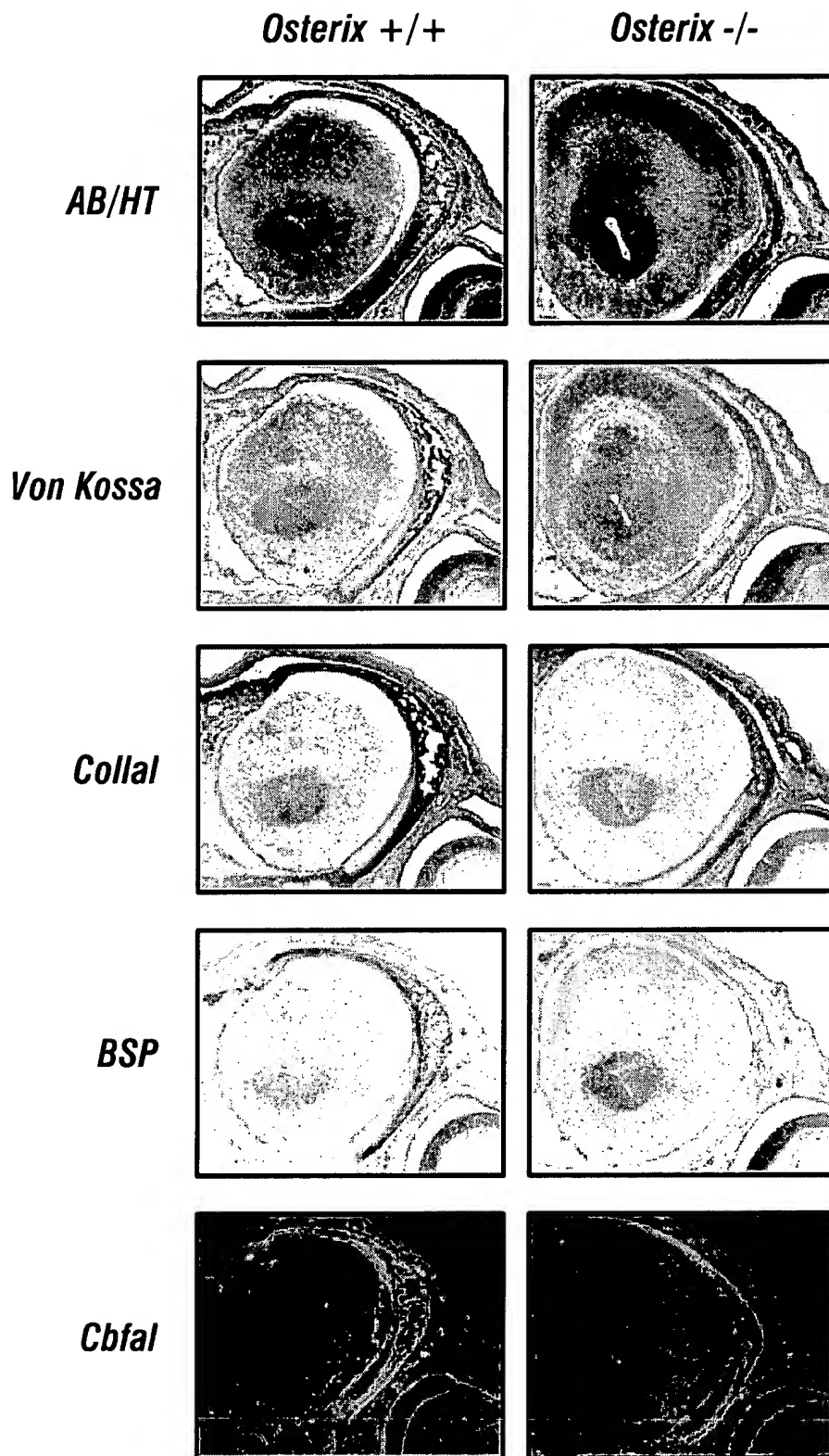


FIG. 9

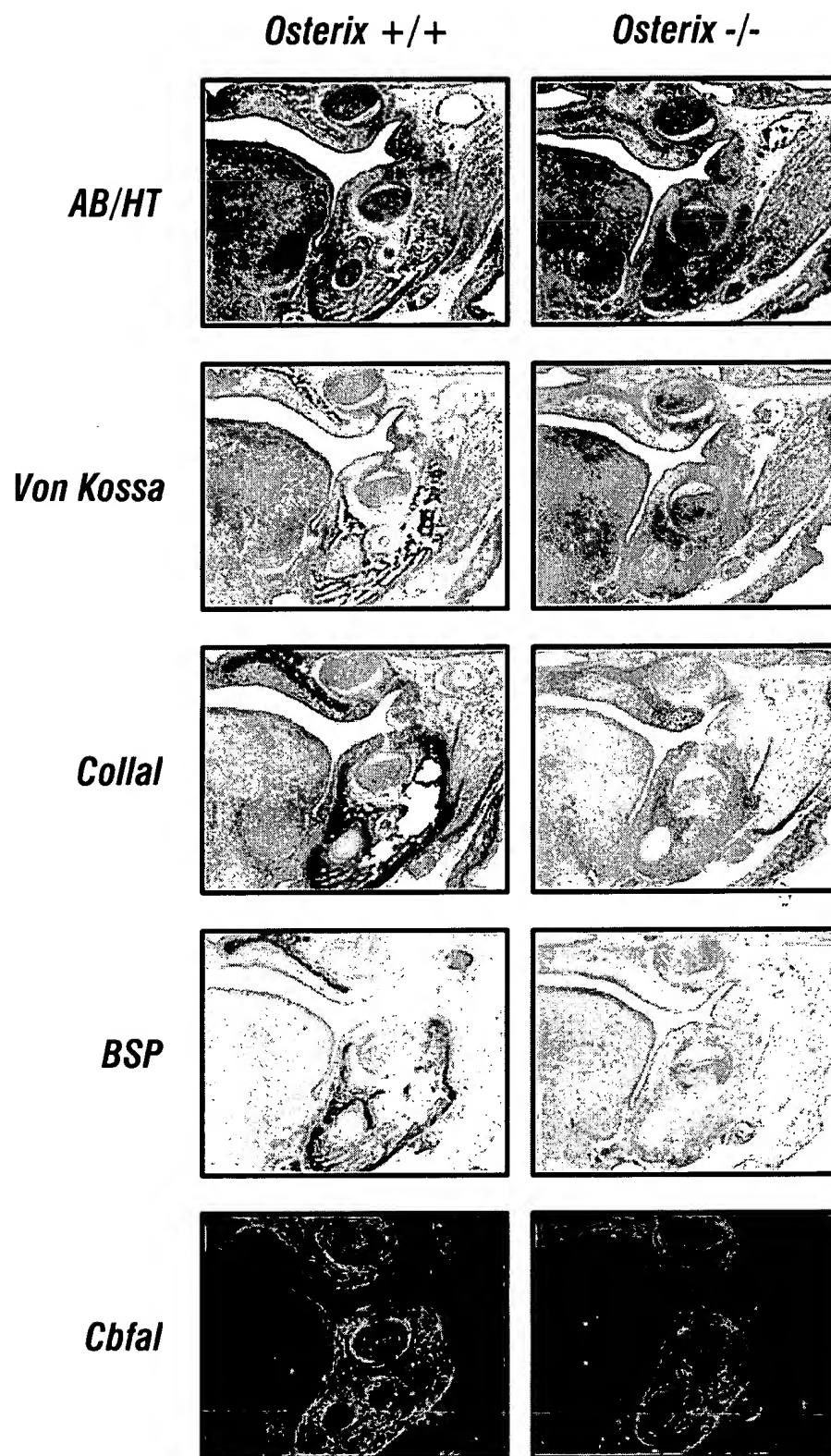
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0100



00734330.004004  
0100

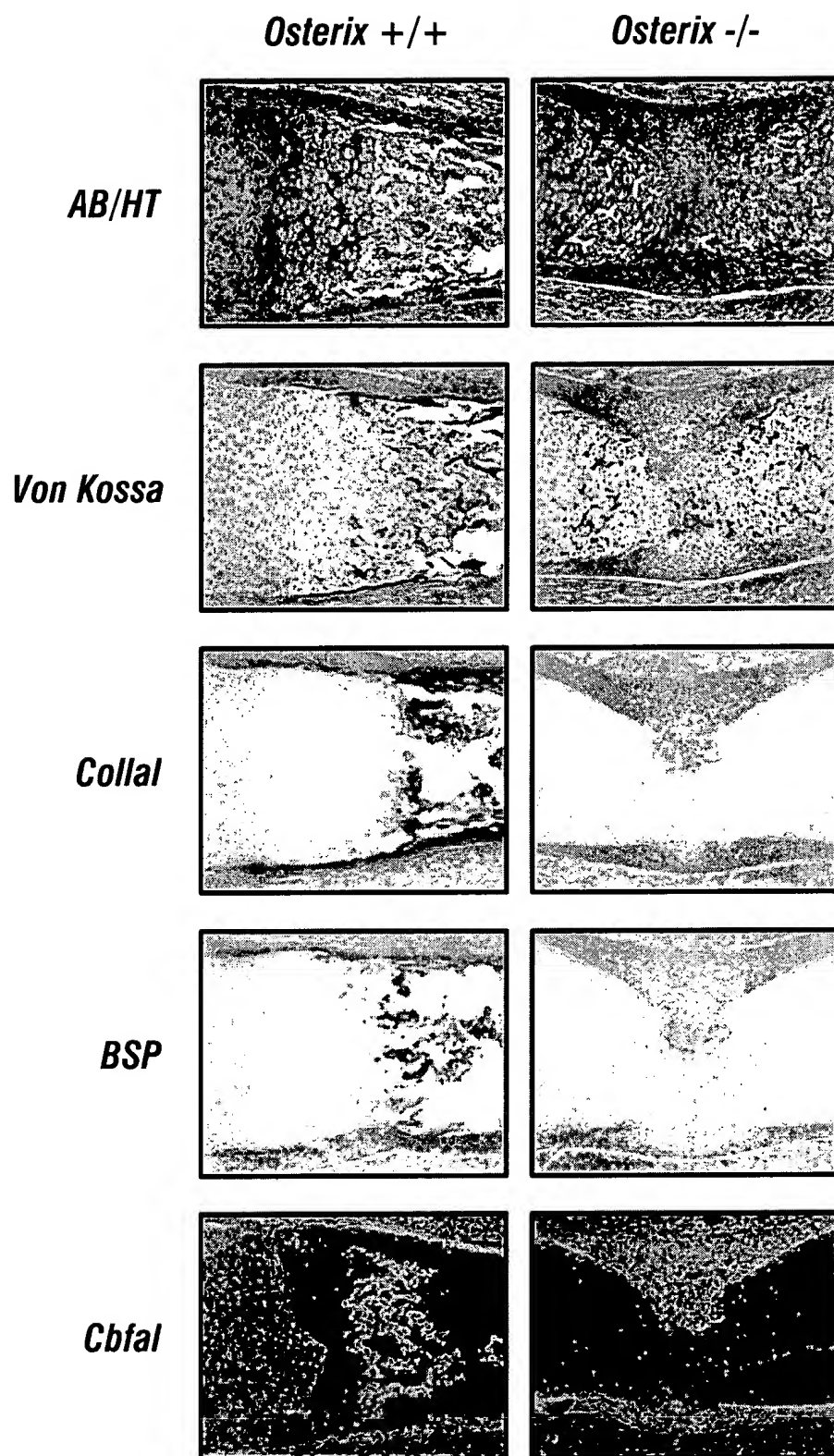
**FIG. 10A**

00724239 004004



**FIG. 10B**

007439-0404  
FOOTED-024260



**FIG. 10C**



***Osterix* +/+**

***Osterix -/-***

**AB/HT**

***Von Kossa***

***Collal***

**BSP**

***Cbfal***

**FIG. 10D**

[illegible]